

ABSTRACT

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2/1/98

An over the highway ~~conventional~~ truck or tractor vehicle with an improved air intake system ~~is disclosed~~. The vehicle includes a hood and fender assembly with a smooth outer surface with an air intake opening in the passenger side of the hood. The intake is defined by a perimetral hood flange extending inwardly from the outer surface. A self securing grating is in the opening. The grating has a perimetral gasket recess which traps a gasket in engagement with the hood flange to provide water seal around the opening. The grating has baffle portions which delineate air intake passages. Structure within the hood delineates an air flow and water separation passage extending from the intake passages to an engine. The flow and separation passage includes a plenum section adjacent the grating and a choke section above the plenum section.